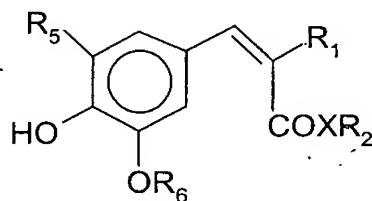


This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claim 1 (Previously Canceled)

Claim 2 (Previously Amended): A compound of formula II



II

wherein

C1 R₁ is selected from the group consisting of -C(O)CH₃, -CO₂R₃, and -C(O)NH₂,
-C(O)N(R₄)₂;

X is O or NH;

R₂ is linear or branched C₁ to C₃₀ alkyl;

R₃ is linear or branched C₃ to C₂₀ alkyl; and

each R₄ is independently hydrogen, or linear or branched C₁ to C₈ alkyl;

R₅ is linear or branched C₁-C₈ alkyl or hydrogen,

and R₆ is C₁ to C₈ alkyl.

Claim 3 (Previously Amended): A compound of claim 2 wherein X is oxygen and R₂ is linear or branched C₁ to C₄ alkyl.

Claim 4 (Previously Amended): A compound of claim 3 wherein R₁ is CO₂R₃ and, R₃ is linear or branched C₃ to C₈ alkyl.

Claim 5 (Original): A compound of claim 3 wherein R₁ is C(O)CH₃.

Claim 6 (Original): A compound of claim 3 wherein R_1 is $-C(O)N(R_4)_2$, and at least one R_4 is hydrogen and the other is hydrogen or linear or branched C_1 to C_4 alkyl.

Claim 7 (Original): A compound of claim 3 wherein R_1 is $-C(O)N(R_4)_2$, and each R_4 is independently linear or branched C_1 to C_4 alkyl.

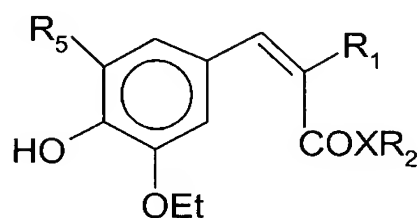
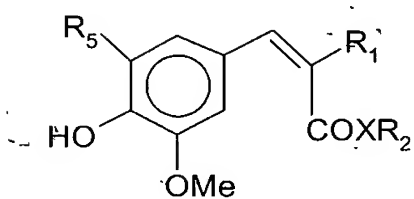
Claim 8 (Original): A compound of claim 2 wherein R_6 is C_1 - C_4 alkyl, R_1 is $-CO_2R_3$, and at least one of R_2 and R_3 is linear or branched C_8 to C_{20} alkyl.

Claim 9 (Original): A compound of claim 8 wherein R_2 and R_3 are each linear or branched C_8 - C_{12} alkyl.

Claim 10 (Original): A compound of claim 8 wherein at least one of R_2 and R_3 is linear or branched C_{12} to C_{20} alkyl.

Claim 11 (Previously Amended): A compound as in claim 2 wherein R_6 is methyl or ethyl.

Claim 12 (Original): A compound of one of the formulae



wherein

R_1 is selected from the group consisting $-C(O)CH_3$, $-CO_2$ (C_1 - C_8 alkyl), $-C(O)NH_2$, $-C(O)N(C_1-C_4 \text{ alkyl})_2$, and $-CN$;

X is O or NH ; and


R_2 is C_1 - C_{12} alkyl, and

R_5 is C_1 - C_8 linear or branched alkyl.

Claim 13 (Original): A compound of claim 12 wherein X is oxygen and R₂ is linear or branched C₁ to C₄ alkyl .

Claim 14 (Original): A compound of claim 12 wherein R₁ is -CO₂C₈H₁₈.

Claim 15 (Currently Amended): A compound elected of ~~claim 2~~ selected from the group consisting of

 ethyl-~~alpha-cyano-3-methoxy-4-hydroxy cinnamate,~~
ethyl-~~alpha-acetyl-3-methoxy-4-hydroxy cinnamate,~~
iso-propyl-alpha-acetyl-3-methoxy-4-hydroxy cinnamate,
iso-amyl-alpha-acetyl-3-methoxy-4-hydroxy cinnamate,
2-ethylhexyl-alpha-acetyl-3-methoxy-4-hydroxy cinnamate,
~~diethyl-3-methoxy-4-hydroxy benzylidene malonate,~~
di-(2-ethylhexyl)-3-methoxy- 4-hydroxy benzylidene malonate,
diisoamyl-3-methoxy-4-hydroxy benzylidene malonate,
dipalmitoyl-3-methoxy-4-hydroxy benzylidene malonate,
di-dodecyl-3-methoxy-4-hydroxy benzylidene malonate,
di-isopropyl-3-methoxy-4-hydroxy benzylidene malonate,
di-(2-ethylhexyl)-3-methoxy-4-hydroxy-5-isopropyl-benzylidene malonate,
di-isoamyl-3-methoxy-4-hydroxy-5-tert.butyl-benzylidene malonate,
iso-amyl-alpha-acetyl-3-methoxy-4-hydroxy-5-isopropyl cinnamate, and
iso-amyl-alpha-acetyl-3-methoxy-4-hydroxy-5-tert.butyl cinnamate.

Claim 16 (Previously Amended): A sunscreen formulation comprising a compound of claim 2 in an amount effective to absorb illumination in a range above 320 nm wavelength.

Claim 17 (Previously Amended): A sunscreen formulation comprising a compound of claim 2 in an amount effective to absorb illumination in a range of 290 to 400 nm wavelength.

Claim 18 (Previously Amended): A sunscreen formulation as in claim 16, which comprises from 0.1 to 40 wt.% of a compound of formula II.

Claim 19 (Original): A sunscreen formulation as in claim 16 comprising an additional organic sunscreen agent for filtering UV-B, UV-A rays or both.

Claim 20 (Previously Amended): A sunscreen formulation as in claim 18 wherein the compound of formula II stabilizes the additional sunscreen agent against degradation from exposure to light.

Claim 21 (Original): A sunscreen formulation as in claim 18, which additionally comprises an inorganic metal oxide sunscreen agent.

C
Claim 22 (Previously Amended): A personal care formulation that comprises a compound of claim 2 in an amount effective to absorb illumination in a range above 320 nm wavelength, a cosmetically acceptable carrier and at least one cosmetic adjuvant selected from the group consisting of preservatives, antifoams, perfumes, oils, waxes, propellants, dyes, pigments, waterproofing agents, emulsifiers, surfactants, thickeners, humectants, exfoliants and emollients.

Claim 23 (Original): A personal care formulation as in claim 22 which is in a form selected from the group consisting of creams, ointment, suspensions, powders, oily lotions, oleo-alcoholic lotions, fatty gels, oleo-alcoholic gels, solid sticks, foams, emulsions, liquid dispersions, sprays and aerosols.

Claim 24 (Previously Amended): A sunscreen formulation as in claim 19, which is free of photostabilizers other than compounds of formula II, which is present in an amount within the range of 0.1% to 40 wt% of said sunscreen formulation.

Claim 25 (Original): A method of protecting a substrate from UV radiation which comprises applying a sunscreen formulation of claim 16 to said substrate.

Claim 26 (Original): A method as of protecting a substrate of skin or hair from UV radiation which comprises applying a personal care formulation of claim 22 to a substrate of skin or hair.

Claim 27 (Previously Amended): A method of improving the photostability of a sunscreen formulation said method comprising adding a compound of formula II of claim 2 to said sunscreen formulation in an amount sufficient to improve the photostability of said sunscreen agent.

Claim 28 (Previously Amended): A method as in claim 27 wherein the amount of compound of formula II added to the sunscreen formulation falls within the range of 0.1% to 40wt% of said sunscreen formulation.

Claim 29 (Previously Amended): A method as in claim 26 wherein the personal care formulation additionally comprises an antioxidant selected from the group consisting of tocopherols, tocopherylacetate, Ascorbic acid, Emblica antioxidants, Proanthocyanidins, Rosemary antioxidants, green tea polyphenols, gallic acid, ellagic acid, butylhydroxy toluene and butylhydroxy anisole.

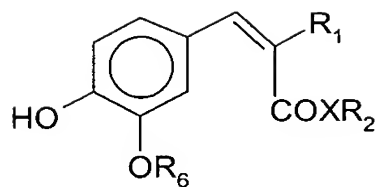
C | Claim 30 (Previously Amended): A personal care formulation comprising at least one compound of claim 2 and an antioxidant other than a compound of formula II.

Claim 31 (Previously Amended): A personal care formulation as in claim 30 wherein the antioxidant is selected from the group consisting of Tocopherols, tocopherylacetate, Ascorbic acid, Emblica antioxidants, Proanthocyanidins, Rosemary antioxidants, green tea polyphenols, gallic acid, ellagic acid, butylhydroxy toluene and butylhydroxy anisole.

Claim 32 (Previously Amended): A personal care formulation which comprises a compound of claim 2 in an amount effective to protect formulation ingredients from oxidation.

Claim 33 (Original): A personal care formulation as in claim 32, which is in the form of lipsticks, foundation, make-up, loose or press powder, eye blush, eye shadows or nail lacquer.

Claim 34 (Previously Amended): A compound of the formula below



wherein

R_1 is selected from the group consisting of $-C(O)CH_3$, $-CO_2R_3$, $-C(O)NH_2$, and $-C(O)N(R_4)_2$,

X is O or NH;

R_2 is linear or branched C_1 to C_{30} alkyl;

R_3 is linear or branched C_1 to C_{20} alkyl;

each R_4 is independently hydrogen, or linear or branched C_1 to C_8 alkyl;

and R_6 is C_1 to C_8 alkyl;

subject to at least one of provisos a)-e):

- a) R_1 is $-CO_2R_3$ and R_3 is linear or branched C_3 to C_{20} alkyl,
- b) R_1 is $-C(O)N(R_4)_2$ and at least one R_4 is linear or branched C_1 to C_8 alkyl,
- c) R_2 is linear or branched C_3 to C_{30} alkyl
- d) X is NH or
- e) R_6 is C_2 to C_8 alkyl.

Claim 35 (Previously added): A compound of claim 34 wherein R_1 is $-CO_2R_3$ and R_3 is linear or branched C_8 to C_{20} alkyl.

Claim 36 (Previously added): A compound of claim 34 wherein R_1 is $-C(O)N(R_4)_2$ and at least one R_4 is linear or branched C_1 to C_8 alkyl.

Claim 37 (Previously added): A compound of claim 34 wherein R_2 is linear or branched C_8 to C_{20} alkyl.

Claim 38 (Previously added): A compound of claim 34 wherein X is NH.

Claim 39 (Previously Amended): A sunscreen formulation comprising a compound of claim 2 15 in an amount effective to absorb illumination in a range above 320 nm wavelength.

Claim 40 (Previously added): A sunscreen formulation comprising a compound of claim 34 in an amount effective to absorb illumination in a range above 320 nm wavelength.

Claim 41. (Previously added): A sunscreen formulation as in claim 39 comprising an additional organic sunscreen agent for filtering UV-B , UV-A rays or both.

Claim 42 (Previously added) A sunscreen formulation as in claim 40 comprising an additional organic sunscreen agent for filtering UV-B , UV-A rays or both.

C
Claim 43 (Previously Amended): A personal care formulation that comprises a compound of claim 2 15 in an amount effective to absorb illumination in a range above 320 nm wavelength, a cosmetically acceptable carrier and at least one cosmetic adjuvant selected from the group consisting of preservatives, antifoams, perfumes, oils, waxes, propellants, dyes, pigments, waterproofing agents, emulsifiers, surfactants, thickeners, humectants, exfoliants and emollients.

Claim 44 (Previously added): A personal care formulation that comprises a compound of claim 34 in an amount effective to absorb illumination in a range above 320 nm wavelength, a cosmetically acceptable carrier and at least one cosmetic adjuvant selected from the group consisting of preservatives, antifoams, perfumes, oils, waxes, propellants, dyes, pigments, waterproofing agents, emulsifiers, surfactants, thickeners, humectants, exfoliants and emollients.

Claim 45 (Previously added): A method of protecting a substrate from UV radiation which comprises applying a sunscreen formulation of claim 39 to said substrate.

Claim 46 (Previously Added): A method of protecting a substrate from UV radiation which comprises applying a sunscreen formulation of claim 40 to said substrate.

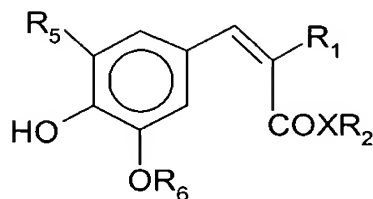
Claim 47. (Previously Amended): A method of improving the photostability of a sunscreen formulation said method comprising adding a compound of claim 2 15 to said sunscreen formulation in an amount sufficient to improve the photostability of said sunscreen agent.

Claim 48 (Previously added): A method of improving the photostability of a sunscreen formulation said method comprising adding a compound of claim 34 to said sunscreen formulation in an amount sufficient to improve the photostability of said sunscreen agent.

C
Claim 49 (Previously added): A personal care formulation which comprises a compound of claim 2 in an amount effective to protect formulation ingredients from oxidation.

Claim 50. (Previously added): A personal care formulation which comprises a compound of claim 34 in an amount effective to protect formulation ingredients from oxidation.

51. (Previously Added) A compound of formula II



II

wherein

R₁ is selected from the group consisting of -C(O)CH₃, -CO₂R₃, and -C(O)NH₂, -C(O)N(R₄)₂;

X is O or NH;

R₂ is linear or branched C₃ to C₃₀ alkyl;

R₃ is linear or branched C₁ to C₂₀ alkyl; and

each R₄ is independently hydrogen, or linear or branched C₁ to C₈ alkyl;

R₅ is linear or branched C₁-C₈ alkyl or hydrogen,

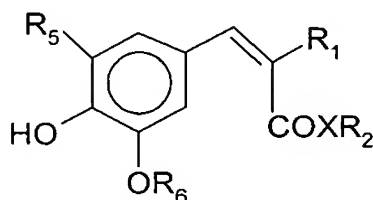
and R₆ is C₁ to C₈ alkyl.

52. (Previously Added) A compound of claim 51 wherein R₆ is C₁-C₈ alkyl, X is oxygen and R₂ is linear or branched C₃ to C₄ alkyl.

53. (Previously Added) A compound of claim 51 wherein R₁ is CO₂R₃ and, R₃ is linear or branched C₁ to C₈ alkyl.

54. (Previously Added) A compound as in claim 51 wherein R₆ is methyl or ethyl.

55. (Previously Added) A compound of formula II



II

wherein

R₁ is selected from the group consisting of -C(O)CH₃, -CO₂R₃, -C(O)NH₂, -C(O)N(R₄)₂, and -CN;

X is O or NH;

R₂ is linear or branched C₁ to C₃₀ alkyl;

R₃ is linear or branched C₁ to C₂₀ alkyl; and

each R₄ is independently hydrogen, or linear or branched C₁ to C₈ alkyl;

R₅ is linear or branched C₁-C₈ alkyl,

and R_6 is C_1 to C_8 alkyl.

56. (Previously Added) A compound of claim 55 wherein R_6 is C_1 - C_8 alkyl, X is oxygen and R_2 is linear or branched C_1 to C_4 alkyl.

57. (Previously Added) A compound of claim 55 wherein R_1 is CO_2R_3 and, R_3 is linear or branched C_1 to C_8 alkyl.

58. (Previously Added) A compound of claim 55 wherein R_1 is $C(O)CH_3$.

59. (Previously Added) A compound of claim 55 wherein R_1 is - $C(O)N(R_4)_2$, and at least one R_4 is hydrogen and the other is hydrogen or linear or branched C_1 to C_4 alkyl.

60. (Previously Added) A compound of claim 55 wherein R_1 is - $C(O)N(R_4)_2$, and each R_4 is independently linear or branched C_1 to C_4 alkyl.

61. (Previously Added) A compound as in claim 55 wherein R_6 is methyl or ethyl.

62. (Previously Added) A compound according to claim 2, wherein R_5 is isopropyl or tert-butyl.

63. (Previously Added) A compound according to claim 22, wherein R_5 is isopropyl or tert-butyl.

64. (Previously Added) A compound according to claim 51, wherein R_5 is isopropyl or tert-butyl.

65. (Previously Added) A compound according to claim 55, wherein R_5 is isopropyl or tert-butyl.

66. (Previously Added) A sunscreen formulation comprising a compound of claim 51 in an amount effective to absorb illumination in a range above 320 nm wavelength.

67. (Previously Added) A sunscreen formulation comprising a compound of claim 51 in an amount effective to absorb illumination in a range of 290 to 400 nm wavelength.

68. (Previously Added) A sunscreen formulation as in claim 67 comprising an additional organic sunscreen agent for filtering UV-B , UV-A rays or both.

69. (Previously Added) A sunscreen formulation as in claim 67, which additionally comprises an inorganic metal oxide sunscreen agent.

C 70. (Previously Added) A personal care formulation that comprises a compound of claim 51 in an amount effective to absorb illumination in a range above 320 nm wavelength, a cosmetically acceptable carrier and at least one cosmetic adjuvant selected from the group consisting of preservatives, antifoams, perfumes, oils, waxes, propellants, dyes, pigments, waterproofing agents, emulsifiers, surfactants, thickeners, humectants, exfoliants and emollients.

71. (Previously Added) A personal care formulation as in claim 70 which is in a form selected from the group consisting of creams, ointment, suspensions, powders, oily lotions, oleo-alcoholic lotions, fatty gels, oleo-alcoholic gels, solid sticks, foams, emulsions, liquid dispersions, sprays and aerosols.

72. (Previously Added) A sunscreen formulation as in claim 67, which is free of photostabilizers other than compounds of formula II, which is present in an amount within the range of 0.1% to 40 wt% of said sunscreen formulation.

73. (Previously Added) A personal care formulation comprising at least one compound of claim 51 and an antioxidant other than a compound of formula II.

74. (Previously Added) A sunscreen formulation comprising a compound of claim 55 in an amount effective to absorb illumination in a range above 320 nm wavelength.

75. (Previously Added) A sunscreen formulation comprising a compound of claim 55 in an amount effective to absorb illumination in a range of 290 to 400 nm wavelength.

76. (Previously Added) A sunscreen formulation as in claim 74 comprising an additional organic sunscreen agent for filtering UV-B , UV-A rays or both.

77. (Previously Added) A sunscreen formulation as in claim 74, which additionally comprises an inorganic metal oxide sunscreen agent.

C 78. (Previously Added) A personal care formulation that comprises a compound of claim 55 in an amount effective to absorb illumination in a range above 320 nm wavelength, a cosmetically acceptable carrier and at least one cosmetic adjuvant selected from the group consisting of preservatives, antifoams, perfumes, oils, waxes, propellants, dyes, pigments, waterproofing agents, emulsifiers, surfactants, thickeners, humectants, exfoliants and emollients.

79. (Previously Added) A personal care formulation as in claim 78 which is in a form selected from the group consisting of creams, ointment, suspensions, powders, oily lotions, oleo-alcoholic lotions, fatty gels, oleo-alcoholic gels, solid sticks, foams, emulsions, liquid dispersions, sprays and aerosols.

80. (Previously Added) A sunscreen formulation as in claim 74, which is free of photostabilizers other than compounds of formula II, which is present in an amount within the range of 0.1% to 40 wt% of said sunscreen formulation.

81. (Previously Added) A personal care formulation comprising at least one compound of claim 55 and an antioxidant other than a compound of formula II.

82. (Previously Added) A sunscreen formulation comprising a compound of claim 15 in an amount effective to absorb illumination in a range of 290 to 400 nm wavelength.

83. (Previously Added) A sunscreen formulation as in claim 39 comprising an additional organic sunscreen agent for filtering UV-B , UV-A rays or both.

84. (Previously Added) A sunscreen formulation as in claim 39, which additionally comprises an inorganic metal oxide sunscreen agent.

85. (Previously Added) A personal care formulation as in claim 43 which is in a form selected from the group consisting of creams, ointment, suspensions, powders, oily lotions, oleo-alcoholic lotions, fatty gels, oleo-alcoholic gels, solid sticks, foams, emulsions, liquid dispersions, sprays and aerosols.

C
86. (Previously Added) A sunscreen formulation as in claim 39, which is free of photostabilizers other than compounds of formula II, which is present in an amount within the range of 0.1% to 40 wt% of said sunscreen formulation.

87. (Previously Added) A personal care formulation comprising at least one compound of claim 15 and an antioxidant other than a compound of formula II.

88. (Previously Added) A personal care formulation which comprises a compound of claim 15 in an amount effective to protect formulation ingredients from oxidation.

89. (Previously Added) A personal care formulation which comprises a compound of claim 51 in an amount effective to protect formulation ingredients from oxidation.

90. (Previously Added) A personal care formulation which comprises a compound of claim 55 in an amount effective to protect formulation ingredients from oxidation.